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Patent No: US 7,200,329 B2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

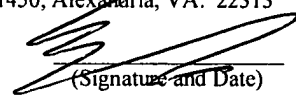
PATENTEE(S) : Ki-Cheol Lee et al.
PATENT NO. : US 7,200,329 B2
ISSUED : April 3, 2007
FOR : WAVELENGTH PATH MONITORING/CORRECTING
APPARATUS IN TRANSPARENT OPTICAL CROSS-
CONNECT AND METHOD THEREOF

Certificate of Mailing Under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA. 22313 on June 5, 2009.

Steve Cha, Reg. No. 44,069

(Name of Registered Rep.)


(Signature and Date)

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 37 CFR 1.323

Attention Certificate of Corrections Branch
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Certificate
JUN 11 2009
of Correction

Dear Sir:

In accordance with the provisions of 37 CFR 1.323, the Patent and Trademark Office is respectfully requested to issue a Certificate of Correction in the above-identified Patent to correct an omission of the Assignee on the face of the Patent (Item 73). The assignee should read:

-- Samsung Electronics Co., Ltd. --
416, Maetan-Dong, Paldal-gu,
Suwon-city, Kyungki-Do,
Korea, Republic of Korea.

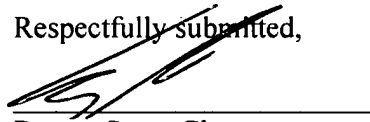
Failure to include the Assignee's correct name and address on PTOL-85B was inadvertent. A copy of the Assignment filed with the initial patent application which reflects Samsung Electronics Co., Ltd's old address is attached.

JUN 11 2009

Please issue a Certificate of Correction and to place such Certificate in the file, so that such will appear on any copies of the Patent which are ordered in the future. As we submitted the \$100 fee (Check No. 2076) to the USPTO with a Request for Certificate of Correction filed April 11, 2007 to correct the inadvertently omitted Assignee, no fees are believed to be owed at this time.

Two (2) copies of Form PTO/SB/44 embodying the requested correction accompany this letter. Return of one copy of the Form duly certified is requested.

Respectfully submitted,


By: Steve Cha
Attorney for Applicant
Registration No. 44,069

Date: June 5, 2009

Enclosure: Copy of Assignment
Form PTO/SB/44 (duplicate)

Mail all correspondence to:
Steve S. Cha, Reg. No. 44,069
CHA & REITER, LLC
210 Route 4 East, Suite #103
Paramus, NJ 07652
Telephone: 201-226-9245
Fax: 201-226-9246

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,200,329 B2

APPLICATION NO.: 10/635,943

ISSUE DATE : April 3, 2007

INVENTOR(S) : Ki-Cheol Lee et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

Item [73], Second Assignee, should read as follows:

Samsung Electronics Co., Ltd. --
416, Maetan-Dong, Paldal-Gu,
Suwon-City, Kyungki-Do,
Korea, Republic of Korea.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

CHA & REITER, LLC
210 Route 4 East, Suite #103
Paramus, NJ 07652 Telephone: 201-226-9245

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,200,329 B2

APPLICATION NO.: 10/635,943

ISSUE DATE : April 3, 2007

INVENTOR(S) : Ki-Cheol Lee et al.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



US007200329B2

(12) **United States Patent**
Lee et al.

(10) **Patent No.:** US 7,200,329 B2
(45) **Date of Patent:** Apr. 3, 2007

(54) **WAVELENGTH PATH
MONITORING/CORRECTING APPARATUS
IN TRANSPARENT OPTICAL
CROSS-CONNECT AND METHOD THEREOF**

(76) **Inventors:** **Ki-Cheol Lee**, #201-1701, Wonchon
Jugong 2-danji APT., Wonchon-dong,
Paldal-gu, Suwon-shi, Kyonggi-do
(KR); **Yun-Je Oh**, #102-202,
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Yongin-shi, Kyonggi-do (KR);
Jong-Kwon Kim, 146-12, Kayang
2-dong, Tong-gu, Taejonkwangyok-shi
(KR)

(*) **Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 766 days.

(21) **Appl. No.:** 10/635,943

(22) **Filed:** Aug. 7, 2003

(65) **Prior Publication Data**
US 2004/0151497 A1 Aug. 5, 2004

(30) **Foreign Application Priority Data**
Feb. 5, 2003 (KR) 10-2003-0007205

(51) **Int. Cl.**
H04J 14/02 (2006.01)

(52) **U.S. Cl.** 398/50; 398/12; 398/19;
398/47; 398/51

(58) **Field of Classification Search** 398/12,
398/19, 47-51

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,754,320 A * 5/1998 Watanabe et al. 398/50
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* cited by examiner

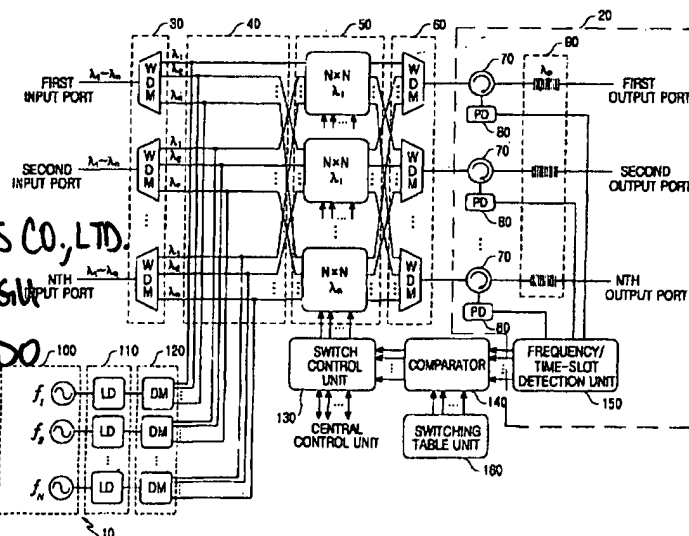
Primary Examiner—Leslie Pascal

(74) *Attorney, Agent, or Firm*—Cha & Reiter LLC

(57) **ABSTRACT**

A wavelength-path-monitoring/correcting apparatus used in a transparent OXC is disclosed. The apparatus includes: a path-information-generating section for generating path-monitoring information; a plurality of optical couplers for coupling each output signal of the wavelength-division demultiplexers with the pertinent path-monitoring information; a plurality of optical switches for switching each optical signal inputted from the optical couplers; a plurality of wavelength-division multiplexers for multiplexing optical signals inputted through the optical switches; a path-information-detecting section for detecting the path-monitoring information from optical signals outputted from the wavelength-division multiplexers; and, a path-control section for comparing the path-monitoring information detected through the path-information-detecting section with predetermined optical-switching information and for correcting switched paths.

16 Claims, 9 Drawing Sheets



Item 73

SAMSUNG ELECTRONICS CO., LTD.
416, MAETAN-DONG, PALDAL-GU
SUWON-CITY, KYUNGKI-DO
REPUBLIC OF KOREA



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 01, 2004

PTAS



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CHA & REITER
STEVE CHA
411 HACKENSACK AVENUE, 9TH FLOOR
HACKENSACK, NJ 07601

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RECORDATION DATE: 08/07/2003

REEL/FRAME: 014378/0060
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
LEE, KI-CHEOL

DOC DATE: 08/05/2003

ASSIGNOR:
OH, YUN-JE

DOC DATE: 08/05/2003

ASSIGNOR:
KIM, JONG-KWON

DOC DATE: 08/05/2003

ASSIGNEE:
SAMSUNG ELECTRONICS CO.; LTD.
416, MAIETAN DONG, PALDAL-GU
SUWON-CIYT, KYUNGKI-DO
REPUBLIC
OF KOREA

MAR 11 2004

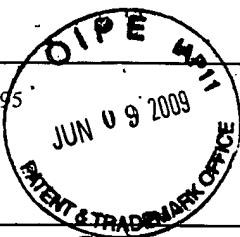
014378/0060 PAGE 2

SERIAL NUMBER: 10635943
PATENT NUMBER:

FILING DATE: 08/07/2003
ISSUE DATE:

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595
(Rev. 6/93)



RE

08-18-2003



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

LET

Attorney Docket No. 5000-1-416

PTO
10/635943



8-7-03

To the Assistant Commissioner for Patents

1. Name of conveying party(ies):

Ki-Cheol LEE; Yun-Je OH; Jong-Kwon KIM

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: August 5, 2003

2. Name and address of receiving party(ies):

Name: SAMSUNG ELECTRONICS CO., LTD.

Address: 416. MAETAN-DONG. PALDAL-GU

SUWON-CITY. KYUNGKI-DO

KOREA. REPUBLIC OF KOREA

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: August 5, 2003

A. Patent Application No.(s)

10,635,943

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Steve Cha

Address: CHA & REITER
411 Hackensack Avenue, 9th Floor
Hackensack, New Jersey 07601

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed

☒ Authorized to be charged to deposit account, if necessary
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8. Deposit account number: 502-470

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steve Cha, Reg No.44,069
Name of Person Signing

[Signature]
Signature

8/7/03
Date

Total number of pages including cover sheet, attachments, and document: 3

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Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

19/11/2003 BDEBREGI 00000002 10635943

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Assignment of Invention and Patent Application

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Ki-Cheol LEE of
#201-1701, Wonchon Jugong 2-danji APT., Wonchon-dong, Paldal-gu, Suwon-shi,
Kyonggi-do, Republic of Korea
- 2) Yun-Je OH of
#102-202, Dongilhivil, Unnam-ri, Kusong-myon, Yongin-shi, Kyonggi-do,
Republic of Korea
- 3) Jong-Kwon KIM
146-12, Kayang 2-dong, Tong-gu, Taejonkwangyok-shi, Republic of Korea

(hereinafter **Assignor**) hereby sells, assigns, transfers, and sets over unto:

SAMSUNG ELECTRONIC CO., LTD. of
416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA
REPUBLIC OF KOREA

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. § 1.00, in and to the invention entitled as:

**WAVELENGTH PATH MONITORING/CORRECTING APPARATUS IN TRANSPARENT
OPTICAL CROSS-CONNECT AND METHOD THEREOF**

invented by **Assignor**; the application for United States patent therefor, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee's** interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee's** interest therein.

SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):

Name of First Inventor: Ki-Cheol LEE

Ki cheol Lee

Signature of inventor

Dated: August 5, 2003

WITNESSED: Jong-Hee K2M

Name of Second Inventor: Yun-Je OH

Yun-Je Oh

Signature of inventor

Dated: August 5, 2003

WITNESSED: Jong-Hee K2M

Name of Third Inventor: Jong-Kwon KIM

Jong kwon Kim

Signature of inventor

Dated: August 5, 2003

WITNESSED: Jong-Hee K2M